

**BEFORE THE BOARD OF COUNTY COMMISSIONERS
LEWIS COUNTY, WASHINGTON**

**RE: CALL FOR BIDS FOR ONE (1)
PEDESTAL-MOUNTED HYDRAULIC EXCAVATOR
FOR LEWIS COUNTY SOLID WASTE**

RESOLUTION NO. 11-264

WHEREAS, the Solid Waste Division of the Lewis County Public Works Department has determined that one of the pedestal-mounted hydraulic excavators used at the Central Transfer Station is in need of replacement; and

WHEREAS, reserve funds for excavator replacement are dedicated in the ending fund balance of Solid Waste Fund 401 as a result of a fund transfer that has occurred once a year since 2002 from Solid Waste Fund 415; and

WHEREAS, the 2011 Solid Waste Utility budget includes funds for excavator replacement to be financed by the above-referenced reserve; and

WHEREAS, the Board of County Commissioners has had an opportunity to review the specifications (Exhibit "A") of the pedestal-mounted hydraulic excavator needed.

NOW THEREFORE BE IT RESOLVED that the Board of County Commissioners approves the Call for Bids as proposed by Lewis County Solid Waste for the above-mentioned excavator and authorizes the Clerk of the Board of the Lewis County Commissioners to advertise the Call for Bids in The East County Journal and Daily Journals of Commerce in Seattle and Portland.

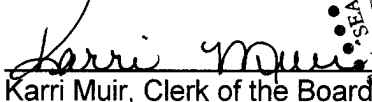
DONE IN OPEN SESSION this 15th day of August, 2011.

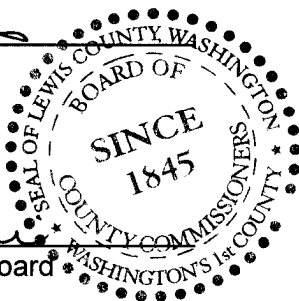
APPROVED AS TO FORM:

Jonathan L. Meyer, Prosecuting Attorney


By: Civil Deputy

ATTEST:


Karri Muir, Clerk of the Board



BOARD OF COUNTY COMMISSIONERS
LEWIS COUNTY, WASHINGTON


Ron Averill, Chairman


F. Lee Grose, Member


P.W. Schulte, Member

Exhibit A
Call for Bids for One (1)
Pedestal-Mounted Hydraulic Excavator
For Lewis County Solid Waste

BID DOCUMENTS FOR FURNISHING:

**ONE (1) PEDESTAL-MOUNTED HYDRAULIC
EXCAVATOR**

TO:

LEWIS COUNTY

PUBLIC WORKS DEPARTMENT

SOLID WASTE UTILITY DIVISION

P. O. BOX 180

CENTRALIA, WA 98531

BID OPENING:

**WHERE: Lewis County Courthouse Annex
Third Floor, Commissioners Meeting Room
350 NW North Street
Chehalis, Washington**

DATE: September 13, 2011

TIME: 11:30 A.M.

BID PACKET CONTENTS

1. CALL FOR BIDS ADVERTISEMENT

2. ADVERTISING PLAN

3. BID FORM

4. BID DOCUMENT CHECKLIST

5. GENERAL CONDITIONS

6. SPECIFICATIONS

1.

CALL FOR BIDS ADVERTISEMENT

CALL FOR BIDS

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Lewis County, Washington or designee, will open sealed proposals and publicly read them aloud on or after 11:30 A.M. on Tuesday, September 13, 2011, at the Lewis County Courthouse, Chehalis, Washington, for furnishing to Lewis County the following:

ONE (1) PEDESTAL-MOUNTED HYDRAULIC EXCAVATOR

**SEALED BIDS MUST BE DELIVERED BY OR BEFORE
11:00 A.M. ON TUESDAY, SEPTEMBER 13, 2011**

(Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County Commissioners. Bids submitted after 11:00 A.M. will not be considered.)

Sealed proposals must be delivered to the Clerk of the Board of Lewis County Commissioners (351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington 98532), by or before 11:00 A.M. on the date specified for opening, and in an envelope clearly marked:

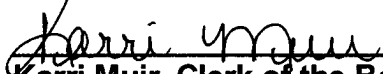
"SEALED BID TO SELL ONE (1) PEDESTAL-MOUNTED HYDRAULIC EXCAVATOR TO LEWIS COUNTY, TO BE OPENED ON OR AFTER 11:30 A.M. ON TUESDAY, SEPTEMBER 13, 2011."

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check or surety bond in an amount equal to five percent (5%) of the amount of such bid proposal. Should the successful bidder fail to enter into such contract and furnish satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to the Lewis County Public Works Department.

Specifications and bid forms may be obtained from the Lewis County Solid Waste Office located at 1411 S. Tower Avenue, Centralia, Washington, Phone: (360) 740-1451.

The Board of County Commissioners reserves the right to reject any or all bids, waive informalities, and to contract as the best interests of the County may appear. In making awards, consideration will be given to factors of prices quoted, delivery, quality of product, and suitability for County purposes.

DATED this 15th day of August, 2011.



Karri Muir, Clerk of the Board of
County Commissioners, Lewis County,
Washington

PUBLISH: The East County Journal, August 17, 2011
Daily Journals of Commerce, Portland and Seattle, August 17, 2011

2.

ADVERTISING PLAN

ADVERTISING PLAN

The Call for Bids will be advertised in the following publications:

- **The East County Journal, Morton, Washington**
- **Daily Journal of Commerce, Seattle, Washington**
- **Daily Journal of Commerce, Portland, Oregon**

3.

BID FORM

**LEWIS COUNTY PUBLIC WORKS DEPARTMENT
SOLID WASTE UTILITY DIVISION
1411 South Tower Avenue
Centralia, WA 98531**

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Lewis County or designee, will open sealed proposals and publicly read them aloud on or after 11:30 a.m. on Tuesday, September 13, 2011, at the Lewis County Courthouse, Chehalis Washington, for the following specified item:

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SEE ATTACHED CONDITIONS AND SPECIFICATIONS

THE PEDESTAL-MOUNTED HYDRAULIC EXCAVATOR SHALL INCLUDE ALL ITEMS NECESSARY FOR EFFICIENT OPERATION WHETHER OR NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS.

BIDDERS ARE STRONGLY ENCOURAGED TO INSPECT THE EXISTING PEDESTAL AND THE SUPPORT BASE. FOR APPOINTMENTS, CONTACT BILL NORWOOD OPERATIONS SUPERVISOR, AT (360) 740-1130 BETWEEN 9:00AM AND 3:00 PM, MONDAY THROUGH THURSDAY.

BID FORM

1. MAKE AND MODEL OF PEDESTAL-MOUNTED HYDRAULIC EXCAVATOR

F.O.B. 1411 South Tower, Centralia, WA \$ _____

Washington State Sales Tax @ 7.9% (or current rate) +\$ _____

TOTAL =\$ _____

Guaranteed delivery completion date shall be 240 (two hundred forty) days after award of bid.

CONDITIONS:

By signature below, the Authorized Official(s) of the company submitting this Proposal do hereby acknowledge that in the event this Proposal or portion of this Proposal is deemed to be the lowest responsible bid, this document shall be construed to be the legal contract for the purchase of the materials specified herein.

By signing this Proposal, the Contractor is accepting all terms and conditions of this contract.

Receipt is hereby acknowledged of addendum(s) number(s) 1
, 2 _____, 3 _____

SIGNATURE OF AUTHORIZED OFFICIAL(S)

Proposal Must be Signed

Company Name _____

Address _____

Telephone # _____

U.B.I. # _____

Federal ID No. _____

4.

BID DOCUMENT CHECK LIST

BID DOCUMENT CHECK LIST

The following items must be returned in the completed bid package

1. _____ Bid Form
2. _____ Scheduled Maintenance
3. _____ Specification Sheet (Describe fully any exceptions)
4. _____ General Conditions Acknowledgement
 (Page 18 of Bid Document)

5.

GENERAL CONDITIONS

GENERAL CONDITIONS

1. **INTENT OF CONTRACT**

Furnish and deliver to Lewis County a pedestal-mounted hydraulic excavator meeting or exceeding the specifications of this proposal. Bid price to include the costs of the new machine, plus new pedestal and new grapple head. Only new models in current production and in common usage will be considered in the award.

2. **BASIS OF AWARD**

Consideration will be given to delivery date, parts and service facilities, analysis and comparison of the pedestal-mounted hydraulic excavator specification details, and past experience with similar or related pedestal-mounted hydraulic excavator. No significant deviation from the terms of this specification is acceptable. Lewis County reserves the right to reject any or all bids as authorized by law and to award the contract to other than the lowest bidder at its discretion and in the best interests of Lewis County.

3. **MANUFACTURER'S SPECIFICATIONS**

A complete set of manufacturer's specifications and illustrated descriptions of the said equipment will be furnished with the bid. Bidder shall also furnish Lewis County a copy of the manufacturer's Lubrication and Maintenance Manual. There will also be specifications and illustrated descriptions of the pedestal base and the waste grapple furnished with the bid.

4. **PEDESTAL-MOUNTED REFUSE HANDLER TRAINING**

The successful bidder agrees to provide an appropriate training program for eight (8) employees at the Lewis County Central Transfer Station, to assure efficient and economical performance and maintenance of the pedestal-mounted hydraulic excavator purchased.

5. **BIDDER SERVICE FACILITIES**

a. *Service Capability:*

To be eligible for award, bidders must be a factory authorized dealer and have facilities, skilled personnel, and pedestal-mounted hydraulic excavator parts available to completely service, maintain, overhaul, and repair the pedestal-mounted hydraulic excavator. Due to operational procedures, the bidder must be able to respond to emergencies during normal business hours within three (3) hours and shall have a service outlet within 75 miles of the Central Transfer Station.

b. *Parts Availability:*

The vendor shall maintain an adequate stock of normal replacement parts and shall make deliveries within 24 hours when requested. The Vendor shall provide a toll free or telephone number where collect calls will be accepted to order parts.

c. *Pricing:*

The manufacturer and bidder shall guarantee that parts prices will be as low as such parts that are sold to any other user and that if at any time the prices are reduced or increased to the general trade, it is understood that Lewis County shall not pay a higher price than any other user, effective with the date of such price reduction or increase to the general trade.

d. *Post Delivery Inspection*

Bidder shall include in the price, the cost of post-delivery inspection service of the pedestal-mounted hydraulic excavator, approximately thirty (30) days and sixty (60) days after it is placed in service. The inspection service shall include the following:

- Check all operating systems for proper operation and adjustment
- Check pedestal-mounted hydraulic excavator visually for leaks and material defects.

6. **GUARANTEED MAXIMUM REPAIRS**

- A. Seller shall pay for all repairs (including parts and labor) to the pedestal-mounted hydraulic excavator covered by manufacturer's warranty, and these costs shall not be included in the total cost of repairs.
- B. Seller will be notified by Lewis County in advance of contemplated repair work in excess of \$2,000.00 total cost (parts and labor), and the details of all such work to be done. Seller will submit his cost estimate on the work to be done. The repairs will be done at the Central Transfer Station, 1411 S. Tower, Centralia, Washington, and billed to Lewis County at seller's prevailing rates. Regardless of where such repairs are performed, if the repair work is done in any shop other than the seller's, he will be notified promptly of the amount to apply as part of the guaranteed total cost of repairs. All repair costs under this clause are to become a part of the guaranteed total cost of repairs (parts only). All repair costs (parts only) will be substantiated by detailed invoices.

7. **WARRANTY**

- A. The seller hereby warrants that for a period of twelve (12) months from the date of final acceptance, or for a period of the original manufacturer's equipment warranty, whichever is later, seller will at their own expense and without cost to Lewis County, replace all defective parts and make any repairs that may be required or made necessary by reason of defective material or workmanship on the pedestal-mounted hydraulic excavator. The warranty on the pedestal and the waste handler grapple will be the warranty as provided by supplier.
- B. The seller further warrants that for a period of 5,000 hours or 5 years, whichever comes first, that the POWER TRAIN components be free from mechanical breakdown due to defects in material and workmanship under normal use and service: Engine (excluding radiator, alternator, starter, compressor, and other attachments), drive train, transfer gear group, pinion, and bevel gear.
- C. The seller agrees to bear cost of transportation of parts and servicemen to the machine's location for a period of twelve (12) months from the date of final acceptance, or for a period of the original manufacturer's equipment warranty, whichever is the latter. The machine will be permanently mounted and is not transportable.
- D. Contractor warrants that all materials, equipment and/or services provided as a result of this call for bids shall be fit for the purpose(s) for which intended, for merchantability, and shall conform to the requirements and specifications herein; all items comply with all applicable safety and health standards established for such products by the Washington Industrial Safety and Health Act ("WISHA"), RCW Chapter 49.17, the U.S. Occupational Safety and Health Act ("OSHA"),

and/or the Consumer Products Safety Act, and all other applicable federal laws or agency rules; all items are properly packaged; and all appropriate instructions or warnings are supplied.

8. **DELIVERY**

- A. Bidders must state the number of days after award that they will guarantee completion of all delivery, installation, making-operational, and training. For purposes of such guarantee, all units must be delivered, installed, made-operational, and training completed not more than two hundred and forty days (240) after the bid award unless otherwise stated. Delivery shall be made to the Lewis County Central Transfer Station, 1411 South Tower Avenue, Centralia, Washington. The successful bidder will notify the Lewis County Solid Waste Operations Supervisor to schedule the installation.
- B. The County will charge liquidated damages of \$500.00 per day for failure to deliver, install, make-operation and complete training within the allowed number or guaranteed number of days, whichever is the earlier. Accordingly, the Contractor agrees:
 - 1. To pay liquidated damages for each day beyond the number of days allowed for completion; and,
 - 2. To authorize the County to deduct these liquidated damages from any money due or coming due to the bidder.

Washington State Interlocal Cooperative Act, RCW 39.34, provides that other governmental agencies may purchase goods and services on this solicitation or contract in accordance with the terms and prices indicated therein if all parties are willing.

9. **STATEMENT OF ORIGIN**

Units shall be delivered with a Statement of Origin and title application completely filled out.

10. **SALES TAX**

Lewis County reserves the right to invoke RCW 39.30.040, which states that local government may consider tax revenues when it is required to make purchases from the lowest and best bidder.

11. **PAYMENT**

Lewis County shall pay the seller within forty-five (45) days after the final acceptance of the pedestal-mounted hydraulic excavator. The billing invoice shall be sent to Lewis County Solid Waste Utility, P. O. Box 180, Centralia, WA 98531.

12. **GENERAL CONDITIONS**

- A. The pedestal-mounted hydraulic excavator will be operated by Lewis County personnel at the Central Transfer Station for which it is designed.
- B. Lewis County shall maintain the pedestal-mounted hydraulic excavator in accordance with the manufacturer's specifications.
- C. Seller retains the right to inspect the pedestal-mounted hydraulic excavator at any reasonable time and make recommendations for repairs, improved maintenance, etc., which may be complied with by Lewis County to the best of its ability within a reasonable time not to exceed thirty (30) days.
- D. Lewis County will assume responsibility for all repair costs resulting from damage due to fire, windstorm, flood and rising water, lightening, and other

acts of God, theft and pilferage, vandalism, accidents, and operators' and mechanics' negligence. Lewis County will assume the expenses of expendable day-to-day supplies, parts and components, such as lubricating oil, filters, grease, fuel, antifreeze, cutting edges, batteries, headlights, glass, tires/undercarriage, cleaning, and painting.

- E. Lewis County has the right at any time to sell, lease, loan, trade, or otherwise dispose of the pedestal-mounted hydraulic excavator at its discretion. Such action shall make this contract null and void.

13. **BID SECURITY AND PAYMENT WITHHOLDING**

- A. Each bid must be accompanied either by a **certified or cashier's check for 5% of the total amount bid**, payable to the Lewis County Treasurer, or an approved bid bond, by a surety company authorized to do business in the State of Washington, for 5% of the total amount bid. The check or bid bond is security that the bidder will, if awarded the bid, enter into a contract with the County for this activity within the time set forth in these requirements. Any bidder who refuses to enter into a contract after it has been awarded to the bidder will be in breach of the agreement to enter the contract and the bidder's certified or cashier's check or bid bond shall be forfeited. If a bid bond is used, the 5% may be shown either in dollars and cents, or the bid bond may be filled in as follows, "5% of the total amount of the accompanying proposal". Upon award and signing of the contract, the bid security will be returned if a check, or will automatically expire if a bid bond. The bid securities of all other bidders will be processed in the same manner immediately upon the execution of the contract.
- B. Payments in the amount of ninety percent (90%) of the contract amount by County to a successful bidder shall be tendered within forty five (45) days, as noted in item 14, above, following County acceptance of delivery, installation and making-operational in accordance with this agreement. The remaining payment amount of ten percent (10%) of the contract amount being thereafter tendered upon the County's acceptance of the successful bidder's performance of training under the agreement.

14. **DISPUTES**

- A. Differences between the Seller and the County, arising under and by virtue of the contract documents shall be brought to the attention of the County at the earliest possible time in order that such matters may be settled or other appropriate action promptly taken. Except for such objections as are made of record in the manner hereinafter specified and within the time limits stated, the records, orders, rulings, instructions, and decisions of Lewis County, shall be final and conclusive.
- B. The Seller shall not be entitled to additional compensation, which otherwise may be payable, or to extension of time for (1) any act or failure to act by the County, or (2) the happening of any event or occurrence, unless the Seller has given the County a written Notice of Potential Claim within 10 days of the commencement of the act, failure, or event giving rise to the claim, and before final payment by the County. The written Notice of Potential Claim shall set forth the reasons for which the Seller believes additional compensation or extension of time is due, the nature of the cost involved, and insofar as possible, the amount of the potential claim. Seller shall keep full and complete daily records of the work performed, labor and material used, and all costs and additional time claimed to be additional.

- C. The Seller shall not be entitled to claim any such additional compensation, or extension of time, unless within 30 days of the accomplishment of the portion of the work from which the claim arose, and before final payment by the County, the Seller has given the County a detailed written statement of each element of cost or other compensation requested and of all elements of additional time required, and copies of any supporting documents evidencing the amount or the extension of time claimed to be due. Effect without the invalid term, condition or application. To this end, the terms and conditions of this contract are declared severable.
- D. In the event that any litigation should arise concerning the construction or interpretation of any of the terms of this agreement, the venue of such action of litigation shall be in the Courts of the State of Washington in and for the County of Lewis. This agreement shall be governed by the law of the State of Washington. Each party shall be responsible for its own costs and attorney's fees associated with any such action.

15. **TERMINATION AND DEFAULT**

- A. Termination for Default. If the seller defaults by failing to perform any of the obligations of the contract or becomes insolvent or is declared bankrupt or commits any act of bankruptcy or insolvency or makes an assignment for the benefit of creditors, the County may, by depositing written notice to the vendor in the U.S. mail, postage prepaid, terminate the contract, and at the County's option, obtain performance of the work elsewhere. If the contract is terminated for default, the seller shall not be entitled to receive any further payments under the contract until all work called for has been fully performed. Any extra cost or damage to the County resulting from such default(s) shall be deducted from any money due or coming due to the seller. The seller shall bear any extra expenses incurred by the County in completing the work, including all increased costs for completing the work, and all damage sustained, or which may be sustained by the County by reason of such default. If a notice of termination for default has been issued and it is later determined for any reason that the seller was not in default, the rights and obligations of the parties shall be the same as if the notice of termination had been issued pursuant to the Termination for Public Convenience paragraph hereof.
- B. Termination for Public Convenience. The County may terminate the contract in whole or in part whenever the County determines, in its sole discretion, that such termination is terminated in accordance with this paragraph, the seller shall be entitled to payment for equipment properly and timely delivered, installed and made-operational, and for actual work performed for training. An equitable adjustment in the contract price for partially completed training will be made, but such adjustment shall not include provision for loss of anticipated profit on deleted or uncompleted work. Termination of this contract by the County at any time during the term, whether for default or convenience, shall not constitute a breach of contract by the County.

16. **INDEMNIFICATION AND WAIVER**

- A. Indemnification. The Seller agrees to defend, indemnify and save harmless the County, its appointed and elective officers and employees, from and against all loss or expense, including but not limited to judgments, settlements, attorney's fees and costs by reason of any and all claims and demands upon the County, its elected or appointed officials or employees for damages because of personal or bodily injury, including death at any time resulting therefrom, sustained by any person or persons and on account of damage to property including loss of use thereof, whether such injury to persons or damage to property is due to the

negligence of the Seller, his/her subcontractors, its successor or assigns or their agent, servants, or employees, the County, its appointed or elected officers, employees or their agents, except only such injury or damage as shall have been occasioned by the sole negligence of the County, its appointed or elected officials or employees. It is further provided that no liability shall attach to the County by reason of entering into this contract, except as expressly provided.

- B. Industrial Insurance Waiver. With respect to the performance of this agreement and as to claims against the County, its officers, agents and employees, the Seller expressly waives its immunity under Title 51 of the Revised Code of Washington, the Industrial Insurance Act, for injuries to its employees and agrees that the obligations to indemnify, defend and hold harmless provided in this agreement extend to any claim brought by or on behalf of any employee of the Seller. This waiver is mutually negotiated by the parties to this agreement.

PROPOSAL:

The undersigned hereby certifies that he/she has read and thoroughly understands and agrees to the terms, conditions, and specifications of this document for furnishing the items listed to Lewis County and hereby submits the proposal on page 10.

Firm Name (Please type or Print)

Authorized Signature

Title of Person Signing

Telephone Number

Address

City, State, Zip Code

Date

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SPECIFICATIONS

MINIMUM TECHNICAL SPECIFICATIONS

The Bidder shall complete every space in Bidder's Proposal Column with either a check mark (X) to indicate item being bid is exactly as specified, or a description to indicate any deviation from the specifications.

WASTE HANDLER, PEDESTAL MOUNTED

	<u>MEETS</u>	<u>DEVIATES</u>
<p>1. <u>GENERAL</u></p> <p>The machine shall include a diesel engine with a Trash core type radiator. counterweight, cab (sound suppressed and with safety glass windows - side, rear and front, with defroster-ventilation fan, floor mat, front wiper and washer, rear sliding window), cab heater and air conditioner, electric horns, rear view mirrors, AM/FM radio, strobe light, suspension type adjustable seat, seat belt, swing alarm, and vandalism protection locks. The hydraulic excavator shall consist of one-piece boom, long stick and an articulating compaction clam grapple; the machine will be mounted on a pedestal and must be of restricted tail swing design due to limited swing area.</p>	_____	_____
<p>The machine and attachments shall be new, currently advertised, standard production, publicly offered for sale, being currently manufactured.</p>	_____	_____
<p>Excavator and pedestal shall be mounted / installed at the Lewis County Solid Waste tipping floor, and shall be completely functional and operational.</p>	_____	_____
<p>2. <u>WEIGHT</u></p> <p>The counterweight furnished shall not weigh more than 18% of the operating weight of the machine with undercarriage and maximum swing radius shall not exceed five (5) feet one (1) inch.</p>	_____	_____
<p>Equipment operating weight, including the base machine (outfitted as described in these specifications as minimum requirement) plus a full fuel tank and 185 lb. operator, shall be no more than 31,500 lbs.</p>	_____	_____
<p>3. <u>ENGINE</u></p> <p>The machine shall be powered by a turbo-charged diesel engine, equipped with all necessary accessories, to ensure complete functionality.</p>	_____	_____
<p>The engine shall be at least four cylinders, water-cooled, and four cycle diesel design and must meet current USA EPA Teir III and EU Stage IIIA emission requirements.</p>	_____	_____

	<u>MEETS</u>	<u>DEVIATES</u>
The total piston displacement shall be not less than 3.0 liter (183 cubic inch).	_____	_____
The cooling system shall be a liquid-type system (complete with a trash core type radiator and fan) of ample capacity to prevent overheating in all expected machine environments.	_____	_____
The minimum acceptable SAE J1349, net fly-wheel power developed shall be at least 86 hp at not more than 2,000 flywheel rpm.	_____	_____
A dry-type air cleaner, restriction indicator, and pre-cleaner with pre-screener shall be furnished.	_____	_____
Machine shall be equipped with a 24-volt electrical starting and operating system, a 35 amp or larger alternator, and two (2) gel filled, heavy duty batteries.	_____	_____
Automatic engine control shall be installed that accelerates and/or decelerates automatically, based on predetermined parameters. A power mode selector with memory modes to automatically adjust engine power and hydraulics' to power mode or economy mode as desired by operator. Work mode selector shall establish and maintain boom stick or swing priorities as selected.	_____	_____
4. <u>HYDRAULICS</u>		
All functional components on the machine, except the electrical system shall be hydraulically powered by oil, through engine-driven pumps. The <u>implement circuit</u> shall power the handler linkage and the swing circuit shall power the revolving upper structure.	_____	_____
The <u>implement circuit</u> shall be powered through a variable-flow or axial flow piston pump with pressure summation flow control. An oil hydraulic cooler shall be incorporated into the system.	_____	_____
All implement circuit hydraulic cylinders shall be equipped with hydraulic cushioning (snubbing) designs with the exception of the head end of the boom cylinders.	_____	_____

	<u>MEETS</u>	<u>DEVIATES</u>
All hydraulic hoses and steel fittings shall be "US Standard" or "Metric" dimensions. All connections shall have "O" ring faced SAE couplings. Hydraulic system must be sufficient to operate boom and stick circuits, PSM grapple, open/close, and rotate functions simultaneously. Any hoses or steel hydraulic lines that are exposed on the side of the boom or stick must have a shield installed to protect from damage, breakage, or wear.	<hr/>	<hr/>
5. <u>OPERATOR'S STATION</u>		
The cab shall be pressurized and sound suppressed. The cab with doors and windows closed, tested according to ANSI/SAE J1166 MAY90, meets OSHA requirements for operator sound exposure limits in effect at time of manufacture. The operator sound pressure level not to exceed 75 db(A) when measured per ISO 6394 or SAEJ919.	<hr/>	<hr/>
The front windshield shall be equipped with a wet arm washer/wiper. Front wiper shall have intermittent control.	<hr/>	<hr/>
The cab shall have safety glass, convex rearview mirrors, and a rubber floor mat. The largest capacity heater available from the manufacturer shall be installed.	<hr/>	<hr/>
The machine shall have a fully adjustable, cloth covered, suspension type seat, head and 3 inch seat belt with non-cinch retractor. Seat belt must comply with SAEJ386.	<hr/>	<hr/>
All operator controls over the <u>swing</u> , and <u>implement circuits</u> must be hydraulic pilot actuated. (This excludes the swing brake and lock.) Control pattern shall comply with SAEJ1177.	<hr/>	<hr/>
Control of the refuse handler linkage (boom, stick, and bucket) and the revolving upper-structure (swing) shall be accomplished using no more than two hand levers. No foot controls shall be allowed for these functions. All hydraulic controls and levers used for travel must be removed by seller.	<hr/>	<hr/>
The 360 degree rotation shall be controlled by any combination of levers.	<hr/>	<hr/>
A single device shall be provided as a control safety lock. When engaged, it will not allow operation of <u>swing</u> or <u>implement circuits</u> .	<hr/>	<hr/>

	<u>MEETS</u>	<u>DEVIATES</u>
6. <u>IMPLEMENTS</u>		
The equipment offered shall have a refuse handler linkage consisting of a boom and stick made by the machine manufacturer or its designee.	_____	_____
The boom shall be "one-piece" with cast boom-hoist cylinder mounts welded in place.	_____	_____
Boom hoist shall be accomplished using two hydraulic cylinders secured outside the boom structure.	_____	_____
The refuse handler linkage must satisfy all the following requirements (using one position and/or setting):		
- Maximum reach not less than 28 feet at ground level	_____	_____
- Maximum digging depth not less than 19 feet.	_____	_____
- Maximum tail swing radius shall be not more than five (5) feet one (1) inch.	_____	_____
7. <u>HEAVY DUTY CLAMSHELL</u>		
The clamshell designed specifically for use in solid waste shall meet these specifications:		
High tensile T-1 steel, with rotation provided by high torque hydraulic motor, with a geared slue ring bearing assembly, high pressure swivel union, high pressure cylinders with load locks, central mounted cylinder porting, assembled with 2.25" hardened pins and bushings, and a specialized bottom plating of jaws for compaction. The weight must not be more than 2550 lbs. The capacity must be a minimum of 0.40 cu. yds. The width of the clam (front view) must be at least 36 inches and not to exceed 41 inches. The width of the clam (side view) must be at least 25" and not to exceed 28". The open clam must be at least 68 inches and not to exceed 72 inches.	_____	_____
8. <u>UPPERSTRUCTURE</u>		
The machine offered shall have a revolving upper structure capable of continuous 360° rotation. Swing brake shall automatically apply within 4 seconds after swing control is released. The machine must be of a compact radius or zero tail swing design.	_____	_____

	<u>MEETS</u>	<u>DEVIATES</u>
Rotation shall be accomplished using a hydraulic motor acting through a sealed, gear reduction, splash lubricated, swing drive and a fully enclosed and lubricated swing pinion/ring gear.	_____	_____
The revolving upper structure shall have a frame with both box-section and channel beams to support the backhoe linkage, counterweight, engine, hydraulics and cab.	_____	_____
A common key shall operate all padlocks, door locks, and vehicle start switch.	_____	_____
Working lights – 2 mounted on boom, 2 mounted on the front of the rotating upper structure.	_____	_____
Steps shall be installed to aid in operator ingress and egress. Steps shall be constructed in a manner that will allow flexibility, and must be mounted under the operator door by bidder, to accommodate safe access from ground to cab.	_____	_____
9. <u>PEDESTAL BASE</u> Shall include new 36" PSM bolt-down pedestal with shock pad to match existing bolt pattern – height and cement thickness as it exists, etc. (See note on page 9 on bid form; requires a bidder-site visit).	_____	_____
10. <u>SERVICE</u> All major components shall be located such that visual checks and routing maintenance may be performed with a minimum of effort.	_____	_____
The recommended lubrication interval for all pins in booms, stick and bucket linkages shall be not less than 50 service hours.	_____	_____
The swing bearing shall be lubricated using a single grease fitting. All boom, stick, and linkage grease fittings shall be accessible by standing on the ground. Fittings must be grouped together.	_____	_____
Swing pinion/ring gear lubrication check and maintenance shall be performed while standing on the ground beside the machine.	_____	_____
The hydraulic oil system filter shall have a recommended maintenance interval of not less than 500 service hours or yearly; and the hydraulic oil system oil replacement interval shall not be less than 2,000 service hours or yearly.	_____	_____
Fuel tank shall hold at least 45 US gallons.	_____	_____

	<u>MEETS</u>	<u>DEVIATES</u>
<p>11. <u>MISCELLANEOUS</u></p> <p>The machine offered, equipped as in this specification, must comply with all local, State and Federal regulations.</p>	_____	_____
<p>The seller shall completely assemble, operate and test the machine, to insure immediate and successful operation. This will be accomplished by the machine supplier and the pedestal supplier. The clam waste attachment will be tested by the supplier. Vandalism protection guards and caps for all exposed liquid fillers shall be furnished.</p>	_____	_____
<p>Excavator shall include a rear-mount camera and cab monitoring system. Camera shall be fully operational whenever the machine is operating, not just in reverse mode. The excavator shall have horns installed for warnings.</p>	_____	_____
<p>Unit shall include at no cost to Lewis County a remote maintenance monitoring system that is fully functional inside Lewis County's Solid Waste tipping floor area, and shall include a minimum service life of seven (7) years.</p>	_____	_____
<p>Bidder shall supply a complete power train and hydraulic warranty to cover the unit for a minimum of five (5) years or 5,000 hours whichever occurs first.</p>	_____	_____
<p>12. <u>MANUAL AND PARTS BOOKS</u></p> <p>The seller shall furnish the following listed manuals and lists at the time of pedestal-mounted hydraulic excavators delivery.</p>	_____	_____
<p>Operator's Manual: 2 each, giving full and complete information and instructions on the operation of the machine.</p>	_____	_____
<p>Service Manual: 2 each, giving detailed instructions on the maintenance and repair-major overhaul of all components of the machine, including electrical and hydraulic diagrams (schematic and actual). Preventative maintenance schedules and procedures for components subject to heavy wear to be included.</p>	_____	_____